



# Crops & Weather

National Agricultural Statistics Service  
Minnesota Field Office

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In Cooperation with the Minnesota Department of Agriculture, National Weather Service – Chanhassen MN,  
Univ. of Minn. Extension Service, DNR State Climatology Office, USDA-FSA, USDA-NRCS, and Local FACs

Released September 30, 2013

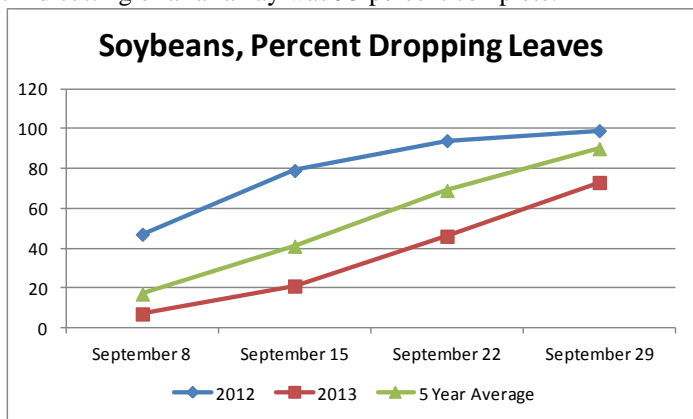
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Soybean maturity rapidly advanced in Minnesota during the week ending September 29, 2013 according to the USDA, National Agricultural Statistics Service. A statewide average of 5.6 days were rated suitable for fieldwork. Minnesota's average temperature was 7.4 degrees above normal at 62.0 degrees. The average rainfall statewide was 0.15 inch below normal at 0.54 inch. These weather conditions reduced topsoil and subsoil moisture to 48 and 37 percent adequate to surplus, respectively. However, the Northwest region received an average 1.41 inches of rain.

Ninety-six percent of the corn crop was at or beyond the dent stage, 3 days behind normal. Forty-one percent of Minnesota's corn was mature, compared to last year's 98 percent. Eighty-eight percent of corn silage has been cut. Ninety-three percent of the soybean crop was turning yellow or beyond, 6 days behind normal. Seventy-three percent of soybeans were dropping leaves or beyond, 17 percentage points behind normal. Forty percent of the soybean crop has reached maturity, compared to the normal 66 percent. Soybean harvest has begun and was 9 percent complete. The average moisture content of harvested soybeans was 14 percent, compared to 10 percent a year ago. Corn and soybean crop conditions both declined slightly to 48 percent good to excellent.

The sweet corn harvest was nearly finished at 95 percent complete. Dry beans were 59 percent harvested, compared to last year's 92 percent. Sugarbeets were 8 percent lifted, behind the normal 16 percent. Minnesota's potatoes were 70 percent dug, 4 percentage points ahead of normal.

Pasture conditions were rated 25 percent good to excellent. The third cutting of alfalfa hay was 95 percent complete.



## Soil Moisture Levels as of September 29, 2013

	Very Short	Short	Adequate	Surplus
	Percent	Percent	Percent	Percent
Topsoil Moisture	17	35	48	0
Subsoil Moisture	21	42	37	0

## Crop Condition as of September 29, 2013

	Very Poor	Poor	Fair	Good	Exc.
Pasture .....	19	26	30	24	1
Sugarbeets .....	1	4	23	62	10
Sunflowers.....	0	3	43	48	6
Corn .....	5	12	35	44	4
Soybeans .....	4	13	35	43	5

## Crop Progress as of September 29, 2013

	This Week	Last Week	Last Year	5 Yr Avg.
Days Suitable for Fieldwork	5.6	5.2	6.9	5.4

	Percent	Percent	Percent	Percent
Corn dent.....	96	91	100	98
Corn mature .....	41	17	98	64
Corn Silage harvested.....	88	76	100	87
Soybeans turning yellow .....	93	79	100	98
Soybeans dropping leaves.....	73	46	99	90
Soybeans mature .....	40	9	97	66
Soybeans harvested.....	9	1	72	26
Soybeans, percent moisture ....	14	NA	10	NA
Sweet Corn harvested .....	95	89	100	96
Sugarbeets harvested.....	8	5	19	16
Canola harvested.....	64	57	100	94
Dry Beans leaves yellow.....	96	92	100	99
Dry Beans dropping leaves.....	90	85	100	NA
Dry Beans harvested .....	59	28	92	72
Potatoes harvested.....	70	58	81	66
Alfalfa, third cutting .....	95	93	NA	NA

## Precipitation and Temperature Summary for 9/23/2013 through 9/29/2013

	Temperature				Precipitation				G D D	
	High	Low	Week Average	Depart from Norm	Week Total	Depart From Normal			Since 05/16	Depart From Norm
						Past Week	Four Weeks	Since 4/1		
NORTHWEST DISTRICT										
Crookston	80	43	61.7	8.9	0.78	0.25	-0.75	-5.46	2292	222
Itasca	M	M	M	M	M	M	-1.47m	-7.38m	933m	-863m
Moorhead	84	45	64.6	9.8	1.3	0.71	1.99	6.78	2487	225
Pembina, ND	78	41	58.2	7.4	0.82	0.35	-0.99	2.48	1975	108
Warroad	76	38	57.4	6.4	2.73	2.11	0.55	-4.89m	1762m	-66m
NORTH CENTRAL DISTRICT										
Grand Rapids	78	39	60.4	8.1	0.52	-0.24	-1.97	-4.3	1993	51
Intl. Falls	77	39	60.4	10.8	0.46	-0.2	-0.83	4.59	1831	170
NORTH EAST DISTRICT										
Duluth	71	42	59.1	7.4	0.36	-0.54	-2.59	-3.4	1966	265
Grand Marais	69	44	55	2.9	0.3	-0.44	-0.45	7.81	1144	-243
Hibbing	76	32	57.4	8.3	0.38	-0.32	-1.78	-1.8	1880	337
WEST CENTRAL DISTRICT										
Alexandria	81	46	62.8	8.2	0.58	-0.05	-0.42	-3.29	2348	160
Breckenridge	83	41	63.8	9.5	1.5	0.77	1.58	-2.16m	2213m	-7m
Browns Valley	86	31	61.4	6.4	1.76	1.17	0.11	-2.17m	2082m	-171m
Canby	M	M	M	M	M	M	-2.03m	2.68m	2231m	-192m
Montevideo	85	41	64.8	8.9	0.18	-0.53	-0.87	4.04	2362	36
Morris	84	40	63.3	8.5	0.4	-0.26	-0.88	1.21	2287	73
Wheaton	85	45	64.3	9.3	1.64	0.95	0	-1.88	2353	58
CENTRAL DISTRICT										
Becker	83	44	63.8	7.7	0.31	-0.56	-0.94	-7.42	2466	186
Collegeville	78	46	63	5.8	0.4	-0.37	-0.78	-2.13	2408	-3
Hutchinson	84	45	64.9	8.4	0.3	-0.31	0.24	1.64m	2450m	86m
Melrose	79	43	61.6	7.4	0.58	-0.14	-0.29	-0.94	2267	139
Olivia	82	41	62.4	6.8	0.32	-0.37	-1.14	0.54	2263	-39
St. Cloud	81	39	62.8	8.2	0.18	-0.56	-1.36	-2.36	2302	134
Wadena	78	39	60.4	8	0.32	-0.36	1.16m	-1.27m	1897m	-18m
Willmar	82	41	64	7.7	0.6	-0.1	0.22	-2.08m	2325	-37
EAST CENTRAL DISTRICT										
Aitkin	73	42	58.9	6.4	0.74	-0.04	0.69	1.69m	1908m	33m
Forest Lake	83	43	63.8	7.3	0.23	-0.56	-1.34	-2.7	2438	80
MSP Airport	86	48	65.8	7.9	0.14	-0.49	-1.52	1.96	2770	242
Mora	78	43	60.7	7.1	0.28	-0.5	-0.62	-2.97m	2188	120
St. Paul - UofM	83	47	63.8	7.3	0.19	-0.6	-2.12	2.8	2421	63
SOUTH WEST DISTRICT										
Lamberton	86	46	64.4	7.8	0.77	0.08	-1.23	-4.21	2503	126
Marshall	86	49	65.9	9.1	0.39	-0.27	-0.86	-3.31m	2601	173
Pipestone	86	41	64	8.3	0.66	-0.05	-1.66	-4.18m	2367m	67m
Redwood Falls	85	42	65	7.8	0.54	-0.09	-0.28	-4.94	2583	132
Sioux Falls	85	46	65.5	8.4	0.48	-0.12	-1.82	-0.2	2592	150
SOUTH CENTRAL DISTRICT										
Worthington	85	47	64	7.5	0.38	-0.28	-2.49m	-4.26m	2425m	101m
North Mankato	85	43	64	6.9	0.12	-0.53	-1.27	-4.99m	2401m	-8m
Owatonna	84	46	64.1	6.6	0.15	-0.6	-2.11	1.52	2466	73
Waseca	85	42	63.4	6.1	0.18	-0.57	-1.65	3.93	2434	7
Winnebago	87	43	64.6	7.1	0.08	-0.61	-2.28	2.47	2551	115
Cannon Falls	M	M	M	M	M	M	-2.19m	-1.01m	1532m	-758m
SOUTH EAST DISTRICT										
La Crosse	84	48	64	5.1	0.39	-0.32	-1.72	1.02	2702	131
Preston	82	38	60.4	3.8	0.24	-0.5	-1.85	6.37m	2366	86
Red Wing	83	44	62.3	4.7	0.32	-0.43	-1.9	-1.51	2544	124
Rochester	83	42	61.6	4.5	0.38	-0.31	-2.01	7.08	2425	77
Rosemount	82	43	62.6	5.7	0.18	-0.58	-2	-2.59m	2395	52
Winona Dam	82	44	62.2	4.5	0.19	-0.54	-2.27	3.64	2520	128

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

Data in this summary are courtesy of National Weather Service Offices and Cooperators, and the University of Minnesota Agricultural Experiment Station. This summary is prepared by the Minnesota Extension Service Agricultural Meteorologist and the Department of Natural Resources State Climatology Office. URL://climate.umn.edu